

TABLE 1

| | | |
|------------------------|---|------------------------------------|
| ILLUMINATION NA : 0.5 | → | FOCAL DEPTH : $\pm 10\mu\text{m}$ |
| ILLUMINATION NA : 0.1 | → | FOCAL DEPTH : $\pm 50\mu\text{m}$ |
| ILLUMINATION NA : 0.05 | → | FOCAL DEPTH : $\pm 100\mu\text{m}$ |
| ILLUMINATION NA : 0.02 | → | FOCAL DEPTH : $\pm 250\mu\text{m}$ |

TABLE 2

| DIRECTION | | LIGHT SOURCE ETENDUE : SMALL COMMON FLY-EYE LENS | | | LIGHT SOURCE ETENDUE : SMALL COMMON FLY-EYE LENS | | |
|-------------------|----------------------------------|--|-----------|--|--|-----------|--|
| | | x | y | | x | y | |
| SLM | TYPE | 0.7inch XGA | | | 0.7inch XGA | | |
| | PIXEL PITCH | 13.8 | | | 13.8 | | |
| | PIXEL SIZE | 13 | | | 13 | | |
| | NUMBER OF PIXELS USED | 1024 | 256 | | 1024 | 256 | |
| | USED AREA SIZE | 14.1312 | 3.5328 | | 14.1312 | 3.5328 | |
| | ILLUMINATION AREA SIZE | 16 | 4 | | 16 | 4 | |
| LIGHT SOURCE | LIGHT SOURCE SIZE | mm | 0.37 | | 0.37 | 0.37 | |
| | LIGHT SOURCE NA | | 0.2 | | 0.2 | 0.2 | |
| | ETENDUE | mm ² ·str | 0.0086895 | | 0.0086895 | 0.0086895 | |
| | LC FOCAL DISTANCE | mm | 17.5 | | 17.5 | 33.95 | |
| OPTICAL SYSTEM | LENS-DMD INTERVAL | mm | 70 | | 70 | 367 | |
| | ML1 NUMBER OF DIVISIONS | | 49 | | 49 | | |
| | ML1 NUMBER OF CELLS | mm | 3.5 | | 14 | 3.5 | |
| | ML1 CELL SIZE | mm | 2 | | 0.5 | 3.88 | |
| | ML1 FOCAL DISTANCE | mm | 8.75 | | 8.75 | 88.9975 | |
| | ML1 SIZE | mm | 7 | | 7 | 13.58 | |
| | NA1 | | 0.0105714 | | 0.0105714 | 0.0054492 | |
| | ML2 FOCAL DISTANCE | mm | 7.7777778 | | 7.7777778 | 71.627767 | |
| | ML2 NUMBER OF CELLS | | 3.5 | | 14 | 3.5 | |
| | ML2 CELL SIZE | mm | 2 | | 0.5 | 3.88 | |
| | SIZE OF LIGHT CONDENSED BY ML1 | mm | 0.185 | | 0.185 | 0.9699286 | |
| | OPTICAL MAGNIFICATION RATE | | 8 | | 8 | 4.1237113 | |
| | ILLUMINATION NAC | | 0.05 | | 0.05 | 0.0185014 | |
| | ILLUMINATION FNo. | | 10 | | 10 | 27.025037 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 113.75 | | 113.75 | 523.8975 | |

TABLE 3

| DIRECTION | | LIGHT SOURCE ETENDUE : LARGE | | | LIGHT SOURCE ETENDUE : SMALL | | | LIGHT SOURCE ETENDUE : SMALL | | |
|-------------------|----------------------------------|---------------------------------|-----------|--|---------------------------------|-----------|--|---------------------------------|-----------|--|
| | | COMMON FLY-EYE LENS | | | COMMON FLY-EYE LENS | | | COMMON FLY-EYE LENS | | |
| SLM | TYPE | x | y | | x | y | | x | y | |
| | PIXEL PITCH | 0.7inch XGA | | | 0.7inch XGA | | | 0.7inch XGA | | |
| | PIXEL SIZE | 13.8 | | | 13.8 | | | 13.8 | | |
| | NUMBER OF PIXELS USED | 13 | | | 13 | | | 13 | | |
| | USED AREA SIZE | 1024 | 256 | | 1024 | 256 | | 1024 | 256 | |
| | ILLUMINATION AREA SIZE | 14.1312 | 3.5328 | | 14.1312 | 3.5328 | | 14.1312 | 3.5328 | |
| LIGHT SOURCE | LIGHT SOURCE SIZE | mm | mm | | mm | mm | | mm | mm | |
| | LIGHT SOURCE NA | 0.2 | 0.2 | | 0.2 | 0.2 | | 0.2 | 0.2 | |
| | ETENDUE | mm ² -str | 1.5868265 | | mm ² -str | 1.5868265 | | mm ² -str | 1.5868265 | |
| | LC FOCAL DISTANCE | mm | 87.5 | | mm | 87.5 | | mm | 87.5 | |
| OPTICAL SYSTEM | LENS-DMD INTERVAL | mm | 70 | | mm | 70 | | mm | 70 | |
| | ML1 NUMBER OF DIVISIONS | 49 | | | 49 | | | 49 | | |
| | ML1 NUMBER OF CELLS | mm | 3.5 | | mm | 3.5 | | mm | 3.5 | |
| | ML1 CELL SIZE | mm | 10 | | mm | 10 | | mm | 10 | |
| | ML1 FOCAL DISTANCE | mm | 43.75 | | mm | 43.75 | | mm | 43.75 | |
| | ML1 SIZE | mm | 35 | | mm | 35 | | mm | 35 | |
| | NA1 | 0.0285714 | | | 0.0285714 | | | 0.0285714 | | |
| | ML2 FOCAL DISTANCE | mm | 26.923077 | | mm | 26.923077 | | mm | 26.923077 | |
| | ML2 NUMBER OF CELLS | mm | 3.5 | | mm | 3.5 | | mm | 3.5 | |
| | ML2 CELL SIZE | mm | 10 | | mm | 10 | | mm | 10 | |
| | SIZE OF LIGHT CONDENSED BY ML1 | mm | 2.5 | | mm | 2.5 | | mm | 2.5 | |
| | OPTICAL MAGNIFICATION RATE | 1.6 | | | 1.6 | | | 1.6 | | |
| | ILLUMINATION NAC | 0.25 | | | 0.25 | | | 0.25 | | |
| | ILLUMINATION FNo. | 2 | | | 2 | | | 2 | | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |
| | OVERALL LENGTH(LIGHT SOURCE-DMD) | mm | 288.75 | | mm | 288.75 | | mm | 288.75 | |